

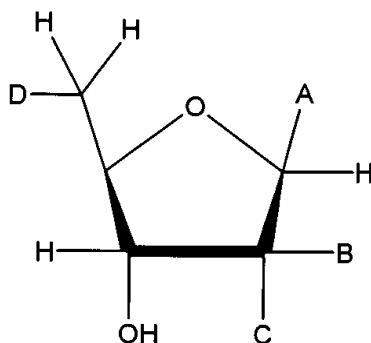
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Amendment

IN THE CLAIMS

Please amend the claims as follows.

1 (currently amended): A compound represented by the formula:



wherein

A is a nitrogen-, oxygen-, or sulfur-linked aryl, alkyl, cyclic, or heterocyclic group,
but not a pyrimidyl or substituted pyrimidyl group;

B is hydrogen, or a halogen, amino, or thiol group;

C is hydrogen, or a halogen, amino, or thiol group; and

D is a primary alcohol, a hydrogen, or

an oxygen, nitrogen, carbon, or sulfur linked to

phosphate, a phosphoryl group, a pyrophosphoryl group, or
adenosine monophosphate through a phosphodiester or carbon-, nitrogen-, or sulfur-
substituted phosphodiester bridge, or to

adenosine diphosphate through a phosphodiester or carbon-,
nitrogen-, or sulfur-substituted pyrophosphodiester bridge.

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2 (original): The compound of claim 1, wherein A is an N-linked aryl or heterocyclic group.

3 (currently amended): The compound of claim 2, wherein A is a nicotinamide group, or a pyridyl group, ~~a substituted pyridyl group, a pyrimidyl group, or a substituted pyrimidyl group.~~

4 (original): The compound of claim 3, which is a nicotinamide 2'-deoxyriboside.

5 (original): The compound of claim 3, which is β -1'-nicotinamide-2'-deoxyribose, β -D-1'-nicotinamide-2'-deoxyribofuranoside, β -1'-pyridyl-2'-deoxyribose, or 5'-phospho-1'-pyridyl-deoxyribose.

6-9 (withdrawn)

10 (original): The compound of claim 1, wherein both B and C are hydrogen, or either B or C is a halogen, amino, or thiol group and the other of B or C is hydrogen.

11 (original): The compound of claim 2, wherein both B and C are hydrogen, or either B or C is a halogen, amino, or thiol group and the other of B or C is hydrogen.

12-13 (withdrawn)

14 (original): The compound of claim 1, wherein D is a primary alcohol or hydrogen.

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15 (original): The compound of claim 2, wherein D is a primary alcohol or hydrogen.

16-17 (withdrawn)

18 (original): A pharmaceutical composition comprising the compound of claim 1 and a pharmaceutically-acceptable carrier.

19 (original): A pharmaceutical composition comprising the compound of claim 2 and a pharmaceutically-acceptable carrier.

20-29 (withdrawn)

30 (original): The compound of claim 3, wherein both B and C are hydrogen, or either B or C is a halogen, amino, or thiol group and the other of B or C is hydrogen.

31 (original): The compound of claim 4, wherein both B and C are hydrogen, or either B or C is a halogen, amino, or thiol group and the other of B or C is hydrogen.

32 (original): The compound of claim 5, wherein both B and C are hydrogen, or either B or C is a halogen, amino, or thiol group and the other of B or C is hydrogen.

33 (original): The compound of claim 3, wherein D is a primary alcohol or hydrogen.